CHAPTER 9.0 Conclusion



Figure 79. Ladd decal. Courtesy Candy Waugaman.

Ladd Field grew from the small testing station originally envisioned by Gen. Arnold into a wartime airbase with unusual roles. Although the activities at Ladd were only a small part of the worldwide conflict, Ladd Field was significant for cold weather testing, as an aircraft repair and supply depot and air transport hub, and as the transfer point for aircraft and cargo transiting the ALSIB route to the Soviet Union. Cold weather testing at Ladd helped to improve the aircraft and equipment used by front-line aircrews. Working together with the stateside research agencies and manufacturers, participants in Ladd's testing program contributed to the development of aircraft design, ground procedures, and personal equipment. As the transfer point for the ALSIB Lend-Lease program, Ladd Field saw 7, 926 aircraft and associated cargo change hands. Though controversial, Lend-Lease aid to the Soviet Union played some part in the eventual defeat of Nazi Germany. Ladd Field also served as an air depot for the repair and supply of aircraft and as a key Air Transport Command airfield, processing thousands of passengers and tons of cargo and mail.

This compilation of Ladd Field's World War II heritage pulls together different aspects of the wartime activities on this installation but is not comprehensive. It is evident that there is more to learn and other participants who may be interested in telling their stories. Some aspects of Ladd Field were not addressed because of limited information or because they are large topics beyond scope of the WWII missions. These include engineering projects beyond the cantonment, early flood control, land use and acquisitions, and interactions in communities beyond the airfield. The full impact of Ladd's cold weather field tests on the overall development of combat aviation was beyond the scope of this project, but that area could reveal additional significance of the efforts undertaken at Ladd. The testing program's ties to leading figures such as Gen. Arnold, Col. McKinley, and others suggest that there is much more to the story. The ALSIB program, another large topic, was presented in overview here because it has already been well documented and debated by historians and participants.

A variety of people with different experiences of the airfield shared their perspectives on Ladd Field through written reminiscences, interviews, and articles. Some had never seen Alaska before being stationed here; others were the children of Fairbanks gold rush families; still others had Native heritage. They went on to careers in military service, commerce, entertainment, construction, aviation, education, and family life. Some stayed in Fairbanks, others left. One thread that is shared by so many of them is the effect that the war years and Ladd Field had on them.

Richard Frank's words convey the impact of these experiences. "North of Hangar Number One they had quite a gathering for a medal presentation. I'll never forget that," he said, recalling the scene and the man being honored. "As a young person, it dawned on me that he did something extraordinary, otherwise he wouldn't be recognized....I think of that person, every once in a while I don't know who he was or what he did, but he was recognized for something that he did. That was quite an honorable thing, so it stayed with me...."

Ladd Field, too, has been recognized. For those that contributed to the efforts here, large and small, ground-breaking and mundane, Ladd Field is their legacy. For the community whose destiny was changed by the establishment of this base and the nation that it served, the Ladd Field National Historic Landmark is a reminder of this effort and where it has brought us today.

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BIBLIOGRAPHY

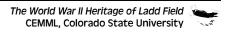
Books:

- Bowman, Waldo G., Harold W. Richardson, et al. *Bulldozers Come First: The Story of U.S. War Construction in Foreign Lands*. New York: McGraw-Hill, 1944.
- Chandonnet, Fern, ed. *Alaska at War, 1941-1945: The Forgotten War Remembered.* Anchorage: Alaska at War Committee, 1995.
- Chlupach, Robin Ann. *Airwaves Over Alaska: The Story of Pioneer Broadcaster Augie Hiebert*. Issaquah, WA: Sammamish Press, 1992.
- Cloe, John H. *The Aleutian Warriors: A History of the 11th Air Force & Fleet Air Wing 4*. Missoula: Pictorial Histories Publishing Co., 1990.
- Cloe, John H. and Michael F. Monaghan. *Top Cover for America: The Air Force in Alaska 1920-1983*. Missoula: Pictorial Histories Publishing Co., 1984.
- Cohen, Stan. *The Forgotten War: A Pictorial History of World War II in Alaska and Northwestern Canada*. Missoula: Pictorial Histories Publishing Co., 1988.
- Cole, Dermot. Fairbanks: A Gold Rush Town that Beat the Odds. Fairbanks: Epicenter Press, 1999.
- Craven, Wesley F. and James L. Cate, eds. *The Army Air Forces in World War II*, vol. 7. Washington, DC: Office of Air Force History reprint, 1983.
- Dod, Karl C. *The Corps of Engineers: The War Against Japan*. Washington, DC: Center of Military History, 1987.
- Driscoll, Joseph. War Discovers Alaska. Philadelphia: J.B. Lippincott, 1943.
- Garfield, Brian. *The Thousand Mile War: World War II in Alaska and the Aleutians*. Garden City, NY: Doubleday, 1969.
- Goldstein, Donald M. and Katherine V. Dillon. *The Williwaw War: The Arkansas National Guard in the Aleutians in World War II.* Fayetteville, AR: University of Arkansas Press, 1992.
- Hays, Otis Jr. *The Alaska-Siberian Connection: The World War II Air Route*. College Station, TX: Texas A&M University Press, 1996.
- Jordan, George Racey. Major Jordan's Diaries. New York: Harcourt Brace Jovanovich, 1952.
- Long, Everett and Ivan Neganblya. Cobras over the Tundra. Fairbanks: Arktika, 1992.
- Mighetto, Lisa and Carla Homstad. *Engineering in the Far North: A History of the U.S. Army Engineer District in Alaska*. Seattle: Historical Research Associates, 1997.
- Morden, Bettie J. *The Women's Army Corps*, 1945-1978. Washington, DC: U.S. Army, Center of Military History, 2000.

- Naske, Claus-M. and Herman Slotnick. *Alaska: A History of the 49th State*. Norman: University of Oklahoma Press, 1987, 2nd ed.
- Nielson, Jonathan M. *Armed Forces on a Northern Frontier: The Military in Alaska's History*, 1867-1987. New York: Greenwood Press, 1988.
- Salisbury, C.A. *Soldiers of the Mists: Minutemen of the Alaska Frontier.* Missoula: Pictorial Histories Publishing Co., 1992.
- Smith, Blake W. Warplanes to Alaska. Seattle: Hancock House 1998.
- Treadwell, Mattie E. *The Women's Army Corps*. Washington, DC: Department of the Army, Office of the Chief of Military History, 1954.
- Tordoff, Dirk. Mercy Pilot: The Joe Crosson Story. Kenmore, WA: Epicenter Press, 2002.
- Van Tuyll, Hubert P. Feeding the Bear: American Aid to the Soviet Union, 1941-1945. New York: Greenwood Press, 1989.
- Woodman, Lyman. *Duty Station Northwest: The U.S. Army in Alaska and Western Canada, 1867-1987*, vol. 2. Anchorage: Alaska Historical Society, 1997.

Reports:

- Bush, James D. Jr. *Narrative Report of Alaska Construction 1941-1944*. U.S. Army Corps of Engineers, Construction Division, Alaskan Department, 1944.
- Garner, John S. World War II Temporary Buildings: A Brief History of the Architecture and Planning of Cantonments and Training Stations in the United States. U.S. Army Corps of Engineers, Construction Engineering Research Laboratories, Technical Report CRC-93/01, March 1993.
- Hollinger, Kristy. *The Haines-Fairbanks Pipeline*. Center for Environmental Management of Military Lands, Colorado State University, Ft. Collins CO, April 2003.
- Price, Kathy. *Homesteads on Ft. Wainwright, Alaska*. Center for Environmental Management of Military Lands, Colorado State University, Ft. Collins CO, September 2002.
- U.S. Army Air Corps. *Report of Cold Weather Test Detachment, Winter of 1942-1943, vol II.* Ladd Field, Alaska; Wright Field, Dayton, Ohio, 1944.
- U.S. Army Corps of Engineers, Seattle District, Technical Center of Expertise for Preservation of Structures and Buildings. *Historic American Buildings Survey, Five Buildings at Ladd Field*, September 1996.
- U.S. Department of the Interior, National Park Service, Cultural Resources, *How to Apply the National Register Criteria for Evaluation*, National Register Bulletin.
- U.S. Department of the Interior, National Park Service. *Elmendorf Air Force Base: Historic Context of World War II Buildings and Structures*, vol 1. 1999.



- War Department, Army Information Branch, A Pocket Guide to Alaska, Washington, DC 1944.
- 172nd Infantry Brigade (Alaska). *The U.S. Army in Alaska*. Pamphlet 360-5, May 1976.
- History of the Alaskan Department June 1940-June 1944. University of Alaska Anchorage Archives, Walter Blue collection, box 1 series 1a.
- History, Cold Weather Test Detachment, 1 Feb. 1942-12 Jan. 1945. Elmendorf AFB History Office, microfilm AOO57A.
- Official History of Ladd Field, Fairbanks, Alaska, Fall 1938- 31 January 1944. Elmendorf AFB History Office, microfilm AO177.
- Report of Cold Weather Test Detachment, Winter of 1942-1943. U.S. Army Air Corps, Ladd Field, Fairbanks, Alaska, volumes I and II.
- Report of Operations of the Air Corps Cold Weather Experimental Station Ladd Field, Fairbanks, Alaska, October 1, 1940 to April 1, 1941. Personal collection, Randy Acord. Also incorporated within Official History of Ladd Field, Fairbanks, Alaska, Fall 1938- 31 January 1944, as pp 7-49.

Articles:

- Arnold, H.H. "Our Air Frontier in Alaska," National Geographic, October 1940, 487-504.
- Daso, Maj. Dik. "Origins of Airpower: Hap Arnold's Command Years and Aviation Technology, 1936-1945. Electronic document, http://www.airpower.maxwell.af.mil/airchronicles/apj/apj97/fal97/daso.html, 2. Originally published in *Aerospace Power Journal*, Fall 1997.
- Drapeau, Raoul. "Pipe Dream," Invention and Technology, Winter 2002, 25-35.
- Fortier, E.J. "The Death of Pvt. John White," *Fairbanks Daily News-Miner*, 17 July 1988, H8-H10 and 24 July 1988, H4-H5.
- Haulman, Daniel L. "The Northwest Ferry Route," in Fern Chandonnet, ed. *Alaska at War, 1941-1945: The Forgotten War Remembered.* Anchorage: Alaska at War Committee, 1995, 319-325.
- Hays, Otis E. Jr. "White Star, Red Star," Alaska Journal, Summer 1982, 9-17.
- Kennedy, Kay J. "Helen Van Campen," Alaska Life, June 1940, 20-21.
- Morrisette, Stephen M. "The Man Who Walked Out of Charley River," in Fern Chandonnet, ed., *Alaska at War, 1941-1945: The Forgotten War Remembered.* Anchorage: Alaska at War Committee, 1995, 143-146.
- Neuberger, Capt. Richard L. "Airway to Russia," Alaska Life, October 1944, 3-11.
- Poor, Henry Varnum. "The Russians at Fairbanks," *Harper's Magazine*, September 1945, 252-259.
- Price, Wesley. "Ice in the Moscow Pipe Line," The Saturday Evening Post, 13 January 1945, 18-19, 87-88.

Ragle, Richard C. "The War in the Aleutians, The First Two Weeks," Electronic document, http://jragle.chem.umass.edu/FRAMES2/aleuti~1.htm.

Redding, Robert H. "Battle of Ladd was a Strange Fight," *Fairbanks Daily News-Miner*, 18 August 1991, H5-H7.

-----. "Locals Fought 'The Battle of Ladd Field," Fairbanks Daily News-Miner, 12 December 1993, H6-H7.

Solka, Paul. "Ladd Field Played Role in Alaska's Progress," *Fairbanks Daily News-Miner*, 30 August 1992, H6-7+.

-----. "In Service," Fairbanks Daily News-Miner, 1 October 1995, H8-H13.

Van Campen, Helen. "They Were Alaskans," Alaska Life, January, 1944, 129-133.

Wolfe, Mary Ellen. "The WACs Liked Alaska," Alaska Life, June, 1946, 4-5, 22.

Archival Collections:

Elmendorf Air Force Base History Office.

Cold Weather Operations at Ladd Field

Monthly Historical Reports, Station #3 ATC and 1466th AAF Base Unit

National Archives and Records Administration, Alaska Region, Anchorage AK. RG 77.

University of Alaska Anchorage Archives.

Alaskan Air Command Historical Files collection Walter Blue collection Zenas Richards collection

University of Alaska Fairbanks, Alaska and Polar Regions Archives.

Robert and Jesse Bloom collection Ferris Copper collection Kay Kennedy Aviation collection Rex Wood collection

Newspapers:

Fairbanks Daily News-Miner Ladd Field Midnight Sun North Star Magazine Santa Barbara News-Press

Oral History Interviews:

- Acord, Randy. Transcript of interview with Maj. Frank Theising and Linda Douglass, September 1990. Ft. Wainwright Public Affairs Office.
- Acord, Randy. Interview with Kathy Price, Fairbanks AK. Tape recording, 17 May 2002. On file with USAG-AK Cultural Resources, Ft. Wainwright.
- Bush, James, Col. (ret). Transcript of interview with John Cloe, 24 May 1982. Alaska and Polar Regions, Rasmuson Library, University of Alaska Fairbanks.
- Colp, Douglas and Marcel. Interview with Kathy Price, Fairbanks, AK. Tape recording, 13 May 2004. Alaska and Polar Regions Library, University of Alaska Fairbanks.
- Conkle, LeNora. Interview with Kathy Price, North Pole, AK. Tape recording, 15 July 2002. Alaska and Polar Regions, Rasmuson Library, University of Alaska Fairbanks.
- Frank, Richard. Interview with Kathy Price, Fairbanks, AK. Tape recording, 8 July 2002. Alaska and Polar Regions, Rasmuson Library, University of Alaska Fairbanks.
- Haggard, Marie. Interview with Kathy Price, Fairbanks, AK. Tape recording, 30 July 2002.
- Hiebert, Augie. Interview with Kathy Price, Fairbanks, AK. Tape recording, 15 June 2002. Alaska and Polar Regions, Rasmuson Library, University of Alaska Fairbanks.
- Hupprich, Fred. Interview with Margaret Van Cleve. Tape recording, 7 June 1994. Alaska and Polar Regions, Rasmuson Library, University of Alaska Fairbanks.
- Johnson, Josephine. Interview with Kathy Price, Fairbanks, AK. Tape recording, 2 July 2002. Alaska and Polar Regions, Rasmuson Library, University of Alaska Fairbanks.
- Jurick, Stan. Interview with Kathy Price, Fairbanks, AK. Tape recording, 25 July 2002. Alaska and Polar Regions, Rasmuson Library, University of Alaska Fairbanks.
- Melville, Evolyn. Interview with Kathy Price, North Pole, AK. Tape recording, 16 August 2002. Alaska and Polar Regions, Rasmuson Library, University of Alaska Fairbanks.
- Nigro, Frank. Interview with Margaret Van Cleve. Tape recording, 17 August 1993. Alaska and Polar Regions, Rasmuson Library, University of Alaska Fairbanks.
- Noyes, Irene. Interview with Kathy Price, Fairbanks, AK. Tape recording, 28 June 2002. Alaska and Polar Regions, Rasmuson Library, University of Alaska Fairbanks.
- Sherman, Clyde. Interview with Margaret Van Cleve. Tape recording, 15 February 1991. Alaska and Polar Regions, Rasmuson Library, University of Alaska Fairbanks.
- Stroecker, William. Interview with India Spartz. Tape recording, 6 November 2001. Alaska and Polar Regions, Rasmuson Library, University of Alaska Fairbanks.
- Stroecker, William. Interview with Kathy Price, Fairbanks, AK. Tape recording, 30 April 2002.

Williams, H.O. Interview by Kathy Price, Fairbanks, AK. Tape recording, 30 May 2002. Alaska and Polar Regions, Rasmuson Library, University of Alaska Fairbanks.

Miscellaneous:

- Buzzell, Rolfe G. *Ladd Field National Register of Historic Places Boundary Review*. Office of History and Archaeology, Anchorage. 1991
- Carr, Edwin R. "Great Falls to Nome: the Inland Air Route to Alaska, 1940-1945." Ph.D. Diss, University of Minnesota, 1946.
- Dennis, Steve. "The Flying History of Major Marvin Walseth," unpublished compilation of letters.
- Grainger, John. The Alaska National Guard in the Defense of Alaska, unpublished manuscript.
- Kerns, Junior D., ed. *The Early History of Ladd Field*, 1938-1943. Natural Resources Office, Ft. Wainwright AK, 1991.
- Moor, Jay H. World War II in Alaska: the Northwest Route, A Bibliography and Guide to Primary Sources. Alaska Historical Commission Studies in History No. 175, June 1985.
- Sfraga, Michael P. "Distant Vistas: Bradford Washburn, Expeditionary Science and Landscape 1930-1960," Ph.D. Diss, University of Alaska Fairbanks, 1997.
- U. S. Army Alaska, ed. *Ladd Field National Historic Landmark Boundary Review*. Conservation Branch, Fort Richardson AK, 2002.
- Walsh, Lilli. "Behind the Frontlines: Alaska Women at War." M.A. Thesis, University of Alaska Fairbanks, 1995.